

FIG. 1

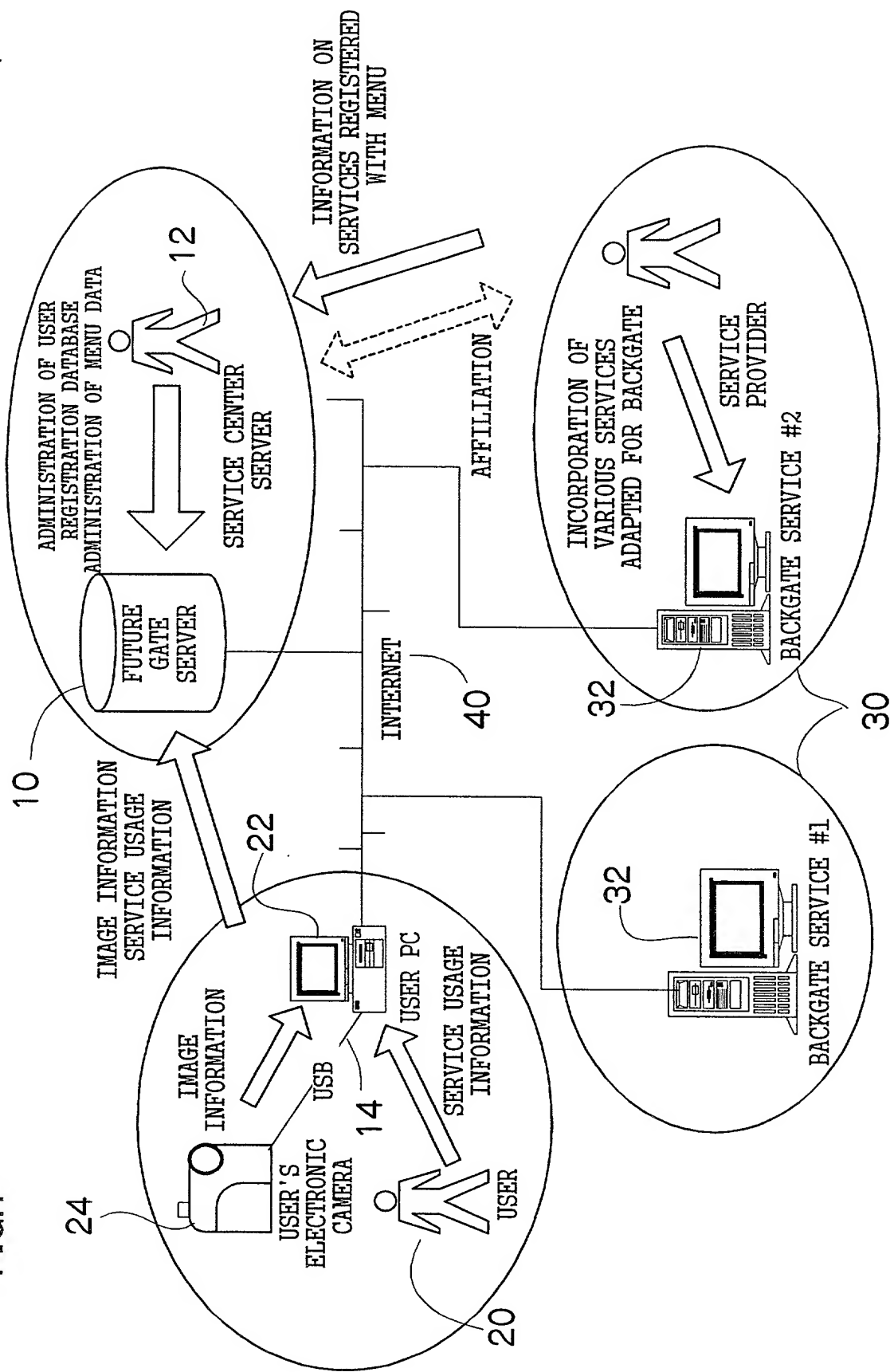


FIG.2

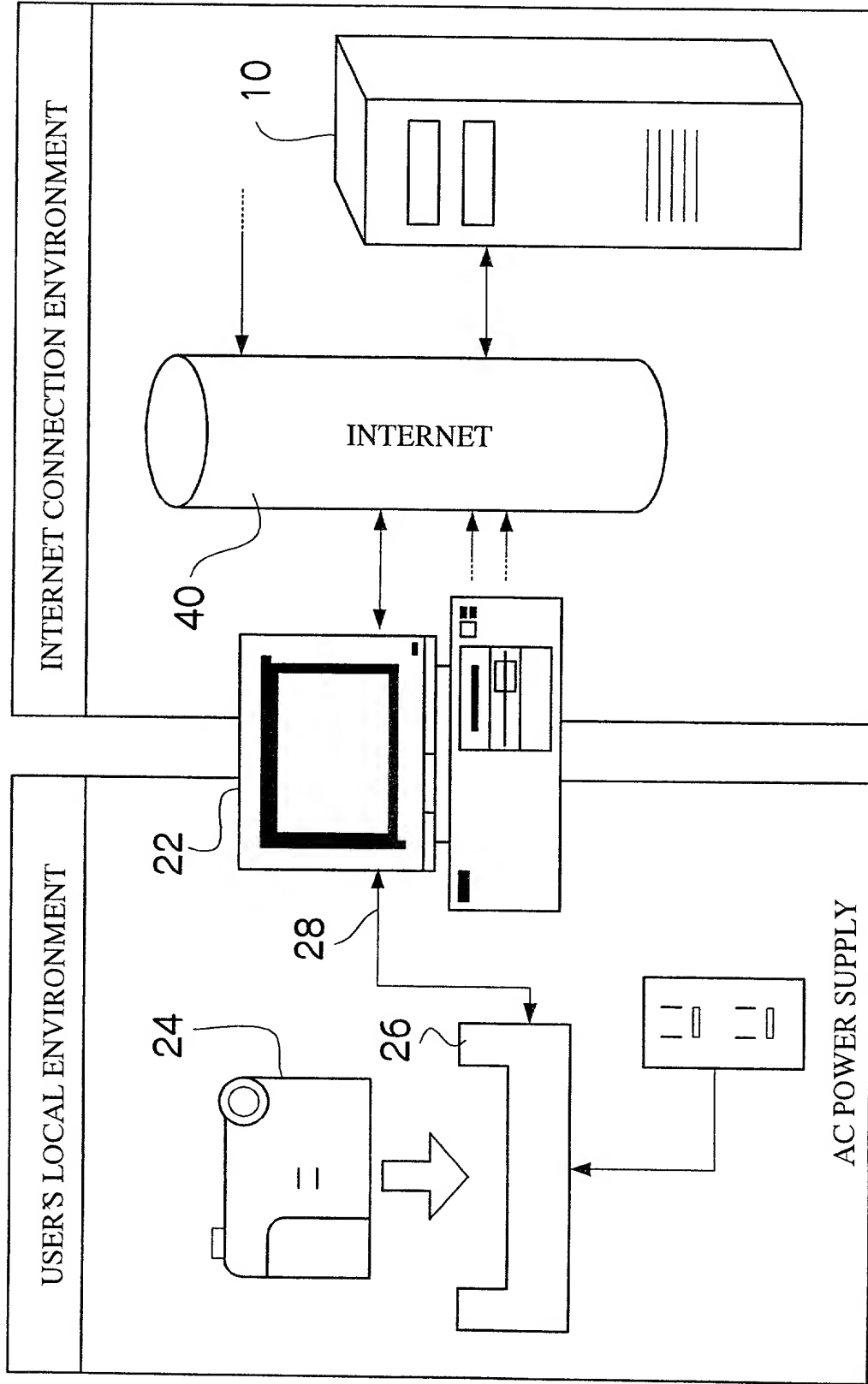




FIG.4

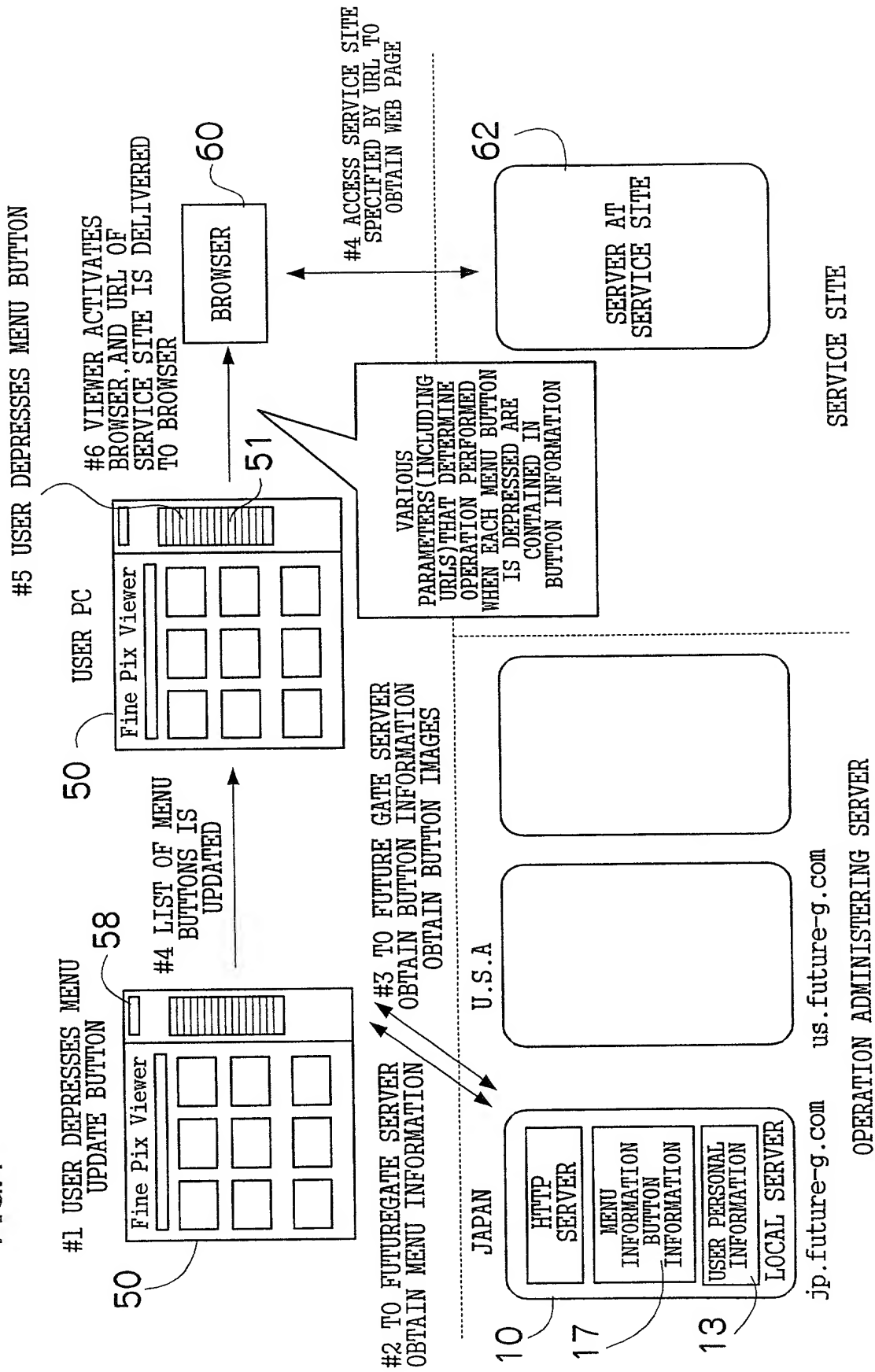


FIG.5

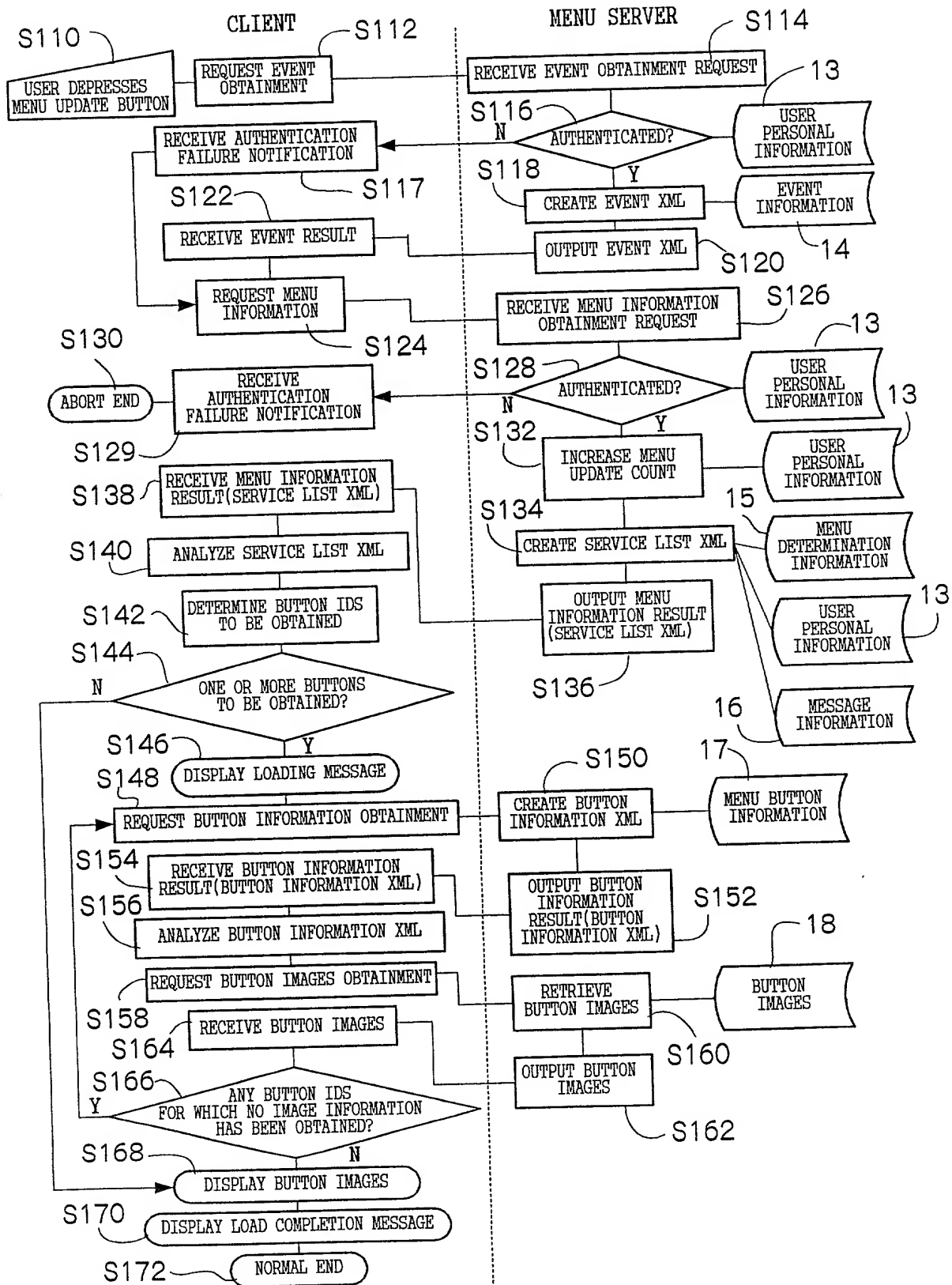


FIG.6

| EVENT OBTAINMENT REQUEST |                              |   | REMARKS   |
|--------------------------|------------------------------|---|---|
| REQUEST                  | xx_future-g.com/viewer/event |   |   |
| ACCESS RESOURCE          |                              |   |   |
| PROPERTY                 | PROPERTY                     | NAME  |   |
|                          | USER ID                      | USER ID   |   |
|                          | USER PW                      | PASSWORD  |   |
|                          | EXE TIMES                    | NUMBER OF VIEWER<br>ACTIVATION OPERATIONS                         |   |
|                          | TOTAL MINUTES                | TOTAL TIME FOR WHICH<br>VIEWER HAS BEEN USED                      |   |
|                          | LATEST<br>INTERVAL           | NUMBER OF DAYS<br>THAT HAVE PASSED<br>SINCE LAST USE<br>OF VIEWER |   |
| (TEST FLAG)              |                              | (FLAG FOR TESTS)  | PROPERTY THAT CAN BE<br>ADDED USING<br>VIEWER OPTION TOOL<br>(TESTFLAG=1) |

FIG.7

DATA TRANSMITTED FROM MENU SERVER TO CLIENT AS MENU INFORMATION

| ELEMENT<br>(PARAMETER NAME) | DATA FORMAT                             | DISCRIPTION  |
|-----------------------------|---|--|
| session-id                  | 64 OR LESS LATERALLY<br>HALF CHARACTERS | STRING ISSUED BY SERVER  |
| tool-tip                    | 255BYTES                                | DESCRIPTION TEXT FOR MENU  |
| loading-msg-id              | INTEGER(INT 4BYTES)                     | 0-4294967295<br>0-1000000000 FOR<br>EACH TIME DISPLAY<br>1000000001-FOR SINGLE DISPLAY |
| loading-msg-sentence        | 255BYTES                                | MESSAGE TEXT   |
| complete-msg-id             | INTEGER(INT 4BYTES)                     | 0-4294967295<br>0-1000000000 FOR<br>EACH TIME DISPLAY<br>1000000001-FOR SINGLE DISPLAY |
| complete-msg-sentence       | 255BYTES                                | MESSAGE TEXT   |
| complete-msg-url            | 255BYTES                                | URL OF WWW PAGE OPENED WHEN<br>LOADING IS COMPLETED                                    |
| button-count                | INTEGER(INT 4BYTES)                     | NUMBER OF BUTTONS  |
| button-id                   | INTEGER(INT 4BYTES)                     | BUTTON IDS(ONE OR MORE)<br>0-4294967295  |

FIG.8

EXAMPLE OF TRANSMITTED MENU INFORMATION XML

```
<?xml version="1.0"encoding="UTF-8"?>
<!DOCTYPE response SYSTEM"servicelist.dtd">
<response>

  <session-id>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</session-id>
  <service-list>
    <tool-tip>WELLCOME ,TO FinePix INTERNET SERVICE!</tool-tip>
    <loading-msg-id>l2</loading-msg-id>
    <loading-msg-sentence>DURING LOAD</loading-msg-sentence>
    <complete-msg-id>l3</complete-msg-id>
    <complete-msg-sentence>LOAD COMPLETE</complete-msg-sentence>
    <complete-msg-url></complete-msg-url>
    <button-count>5</button-count>
    <button-id>l</button-id>
    <button-id>45</button-id>
    <button-id>56</button-id>
    <button-id>22</button-id>
    <button-id>4</button-id>

  </service-list>
</response>
```

10046175.011602



FIG.9

CONTENTS OF DATA TRANSMITTED FROM MENU SERVER TO CLIENT  
AS BUTTON INFORMATION

| ELEMENT<br>(PARAMETER NAME) | DATA FORMAT  | DESCRIPTION  |
|-----------------------------|--|--|
| button-id                   | INTEGER(INT 4BYTES)  | BUTTON ID<br>0-4294967295  |
| service-id                  | INTEGER(INT 4BYTES)  | SERVICE ID<br>0-4294967295   |
| caption                     | 255BYTES   | BUTTON NAME<br>TEXT*RESERVATION TAG  |
| view-category               |  | DISPLAY<br>CATEGORY*RESERVATION TAG  |
| service-name                | 255BYTES   | SERVICE NAME   |
| condition-flag              | 0x0000=OPERATE REGARDLESS<br>OF CONDITIONS<br><br>0x0001=ENABLED ONLY<br>DURING CONNECTION TO<br>ACTUAL MACHINE(STORAGE<br>MODE)<br><br>0x0002=ENABLED ONLY<br>DURING CONNECTION TO<br>ACTUAL MACHINE(VG MODE)<br><br>0x0100=ENABLED ONLY<br>DURING SELECTION OF<br>IMAGES<br><br>0x8000=ALWAYS DISABLED | CONDITION FLAG USED TO<br>DETERMINE WHETHER BUTTON IS<br>TO BE ENABLED OR DISABLED<br>(ONE OR MORE LOGICAL ORS)<br>EXAMPLE) 0x0103=CONNECTION<br>TO ACTUAL MACHINE AND<br>IMAGE SELECTION REQUIRED |
| action-type                 | 0x0001:ONLY SERVICE<br>ACCESS COUNT<br><br>0x0010:ONLY IMAGE<br>TRANSFER USING GFNAP2<br><br>0x0100:ONLY USER<br>INFORMATION<br>TRANSMISSION   | CONDITION FLAG<br>USED TO DETERMINE<br>OPERATION<br>WHEN BUTTON IS<br>DEPRESSED<br>(ONE OR MORE<br>LOGICAL ORS)  |
| upload-img-min              | INTEGER(INT 4BYTES)  | MINIMUM NUMBER OF<br>TRANSFERRED IMAGES  |
| upload-img-max              | INTEGER(INT 4BYTES)  | MAXIMUM NUMBER OF<br>TRANSFERRED IMAGES  |
| upload-img-type             | 0x0001:STILL IMAGE FILE<br><br>0x0010:ANIMATED IMAGE FILE<br><br>0x0100:SOUND FILE   | CONDITION FLAG USED TO<br>DETERMINE TYPE OF FILE<br>THAT CAN BE<br>UPLOADED(LOGICAL<br>OR AVAILABLE)   |
| link-address                | 255BYTES   | URL OF WWW PAGE FOR<br>CONNECTION SERVICE  |
| link-option                 | 255BYTES   | ARGUMENT FOR LINK<br>ADDRESS   |
| enable-tool-tip             | 255BYTES   | BALLOON HELP TEXT FOR<br>ENABLED BUTTON  |

FIG.10

|                              |                                    |  |
|------------------------------|------------------------------------|--|
| disable-tool-tip             | 255BYTES                           | BALLOON HELP TEXT FOR<br>ENABLED BUTTON    |
| enable-button                | 255BYTES                           | URL OF IMAGE FILE                          |
| disable-button               | 255BYTES                           | URL OF IMAGE FILE                          |
| img-x-min (RESERVED)         | INTEGER (INT 4BYTES)               | MINIMUM NUMBER OF<br>PIXELS (LATERAL)      |
| img-y-min (RESERVED)         | INTEGER (INT 4BYTES)               | MINIMUM NUMBER OF<br>PIXELS (LONGITUDINAL) |
| img-x-max (RESERVED)         | INTEGER (INT 4BYTES)               | MAXIMUM NUMBER OF<br>PIXELS (LATERAL)      |
| img-y-max (RESERVED)         | INTEGER (INT 4BYTES)               | MAXIMUM NUMBER OF<br>PIXELS (LONGITUDINAL) |
| img-size-max<br>(RESERVED)   | INTEGER (INT 4BYTES), UNIT: KBYTES | MAXIMUM FILE SIZE                          |
| img-format (RESERVED)        | EXTENSION DESCRIBED USING COLONS   | TRANSMITTABLE IMAGE FORMAT                 |
| appear-date<br>(RESERVED)    | yyyymmdd                           | DISPLAY START<br>DATE AND TIME             |
| disappear-date<br>(RESERVED) | yyyymmdd                           | DISPLAY END<br>DATE AND TIME               |

FIG.11

EXAMPLE OF TRANSMITTED BUTTON INFORMATION XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE response SYSTEM"button.dtd">
<response>

  <button-id>1</button-id>

  <service-id>1</service-id>

  <caption>FDi SERVICE</caption>

  <view-category>3</view-category>

  <service-name>fdi</service-name>

  <condition-flag>0x0100</condition-flag>

  <action-type>0x0001</action-type>

  <upload-img-min>1</upload-img-min>

  <upload-img-max>3</upload-img-max>

  <upload-img-type>0x0001</upload-img-type>

  <link-address>http://www.xxxxxxx.co.jp/</link-address>

  <link-option></link-option>

  <enabled-tool-tip>UP TO THREE IMAGES CAN BE SELECTED</enabled-tool-tip>

  <disabled-tool-tip>SELECT IMAGES</disabled-tool-tip>

  <enabled-button>http://jp.future-g.com/viewer/button/xxxxxxx.jpg</enabled button>

  <disabled-button>http://jp.future-g.com/viewer/button/xxxxxxx.jpg</disabled-button>

  <img-x-min>320</img-x-min>

  <img-y-min>240</img-y-min>

  <img-x-max>640</img-x-max>

  <img-y-max>480</img-y-max>

  <img-size-max.>100</img-size-max>

  <img-format>jpg:gif:bmp</img-format>

  <appear-date>20010401</appear-date>

  <disappear-date>20010433</disappear-date>

</response>
```

FIG.12

